

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022324.D
 Acq On : 19 May 2025 17:20
 Operator : SY/MD
 Sample : Q2071-15
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-5-VOC

Quant Time: May 20 01:16:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

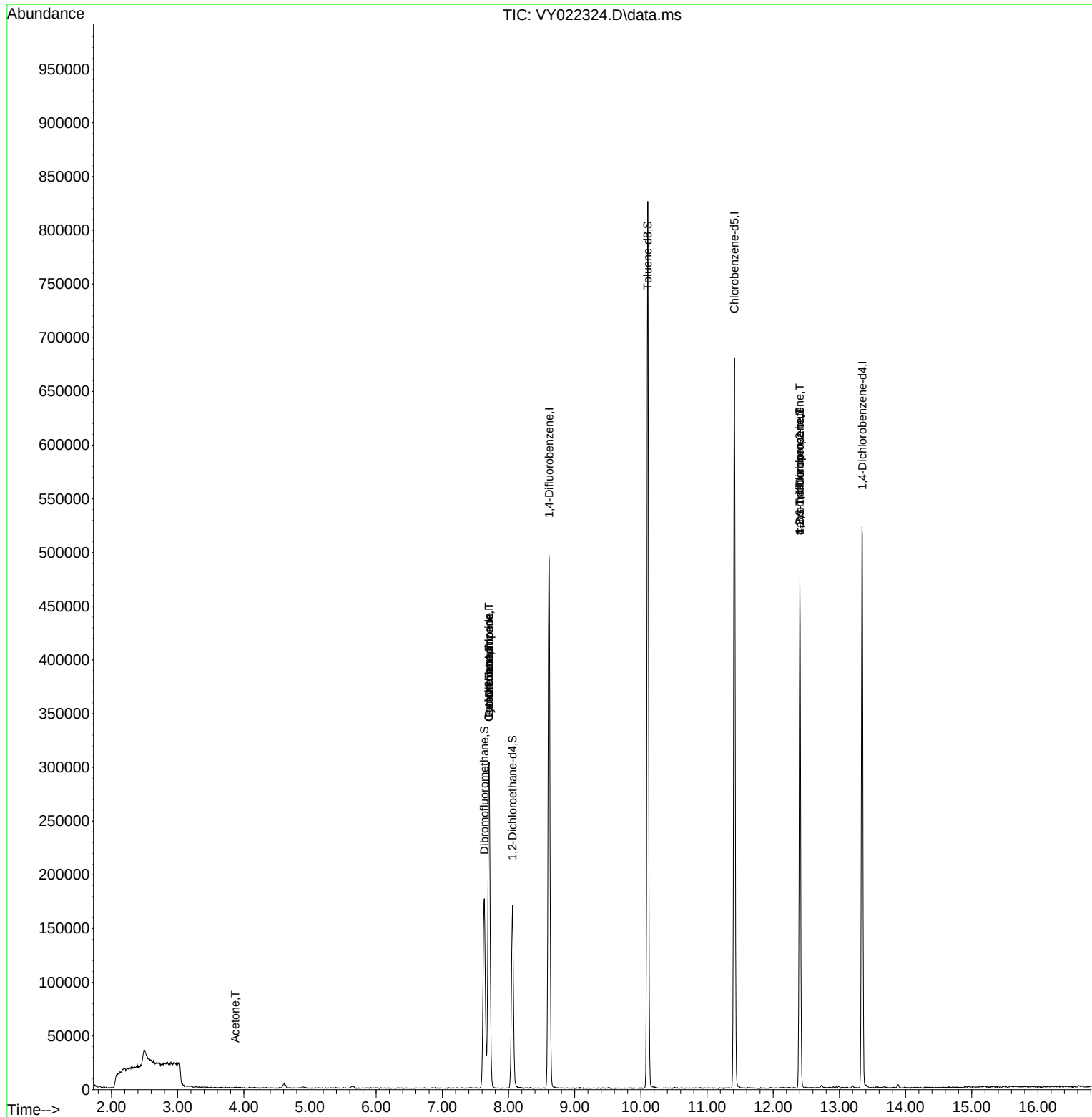
Internal Standards						
1) Pentafluorobenzene	7.707	168	231908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	124097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122878	48.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.634	113	123664	49.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.103	98	494590	48.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.402	95	128462	40.007	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.020%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1473	3.099	ug/l #	54
31) Cyclohexane	7.701	56	6231	1.215	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	19688	4.832	ug/l #	50
38) Carbon Tetrachloride	7.701	117	24052	5.703	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	74203	59.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	74203	119.561	ug/l #	12

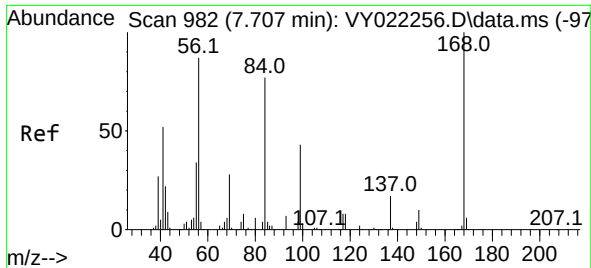
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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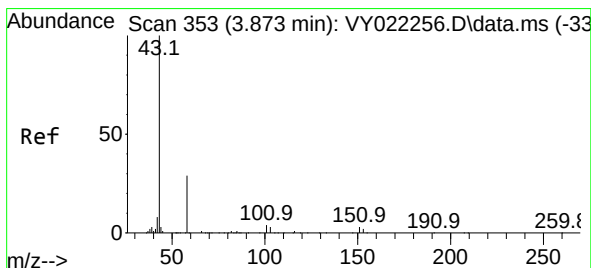
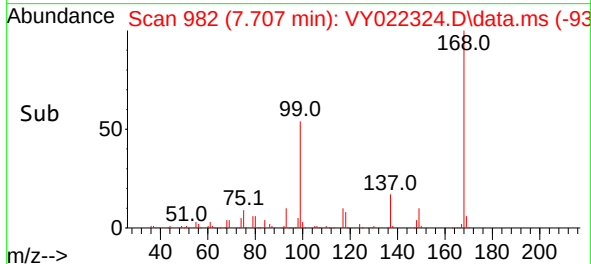
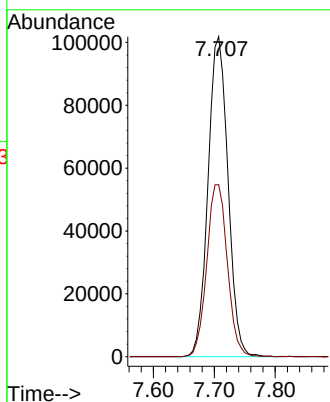
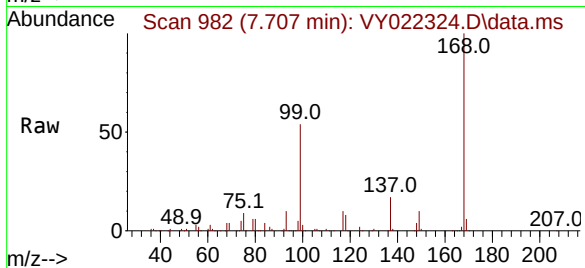




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

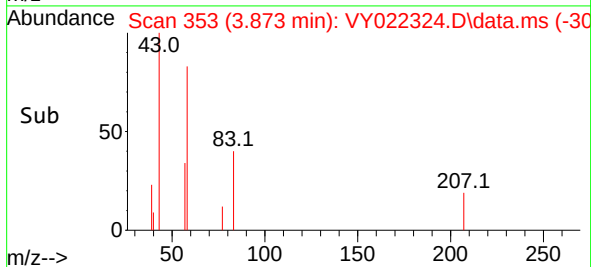
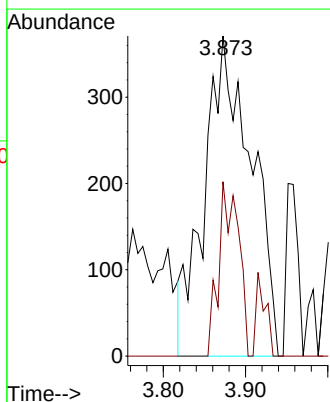
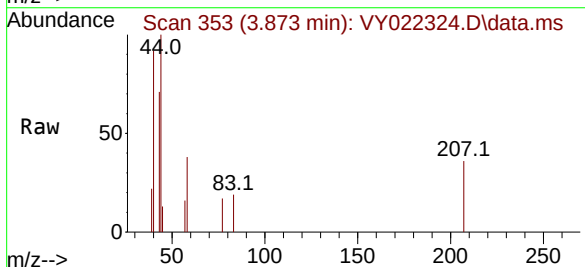
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

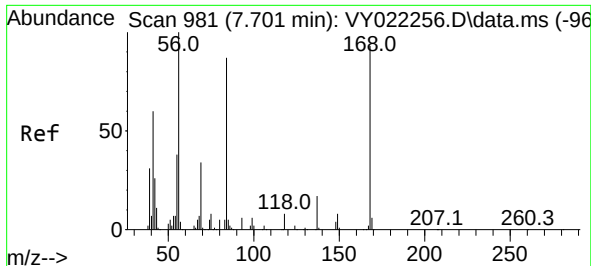
Tgt Ion:168 Resp: 231908
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#16
Acetone
Concen: 3.099 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 54.4 23.6 35.4#

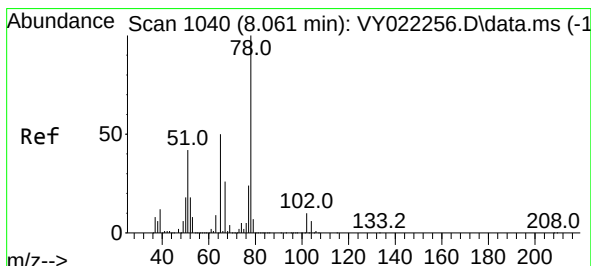
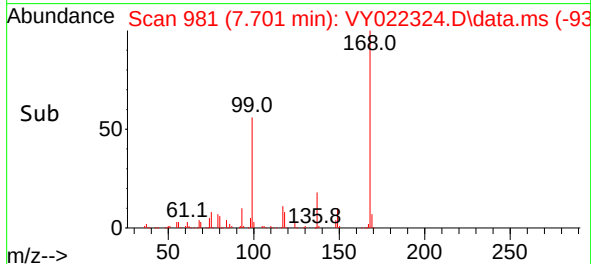
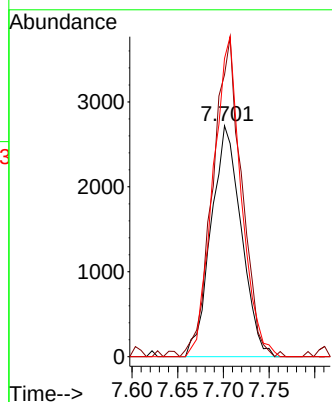
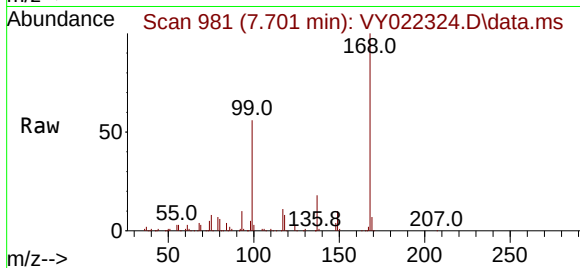




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

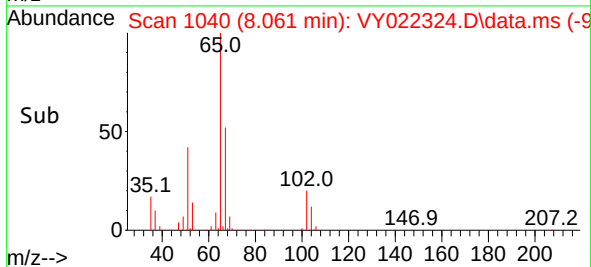
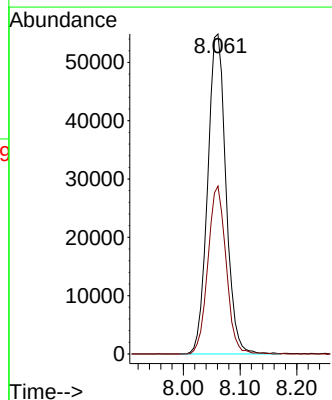
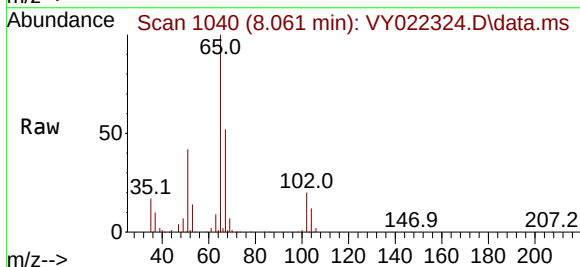
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

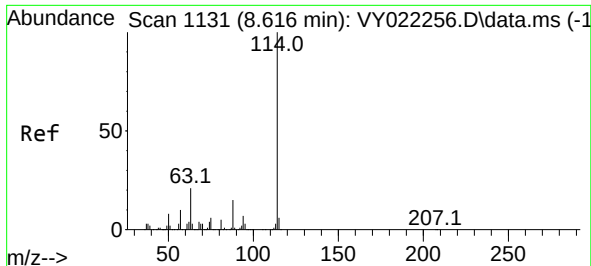
Tgt Ion: 56 Resp: 6231
Ion Ratio Lower Upper
56 100
69 122.1 27.4 41.2#
84 129.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.481 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 65 Resp: 122878
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

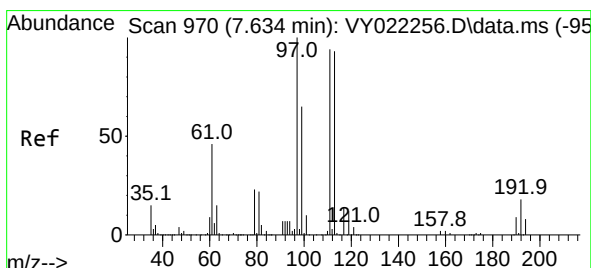
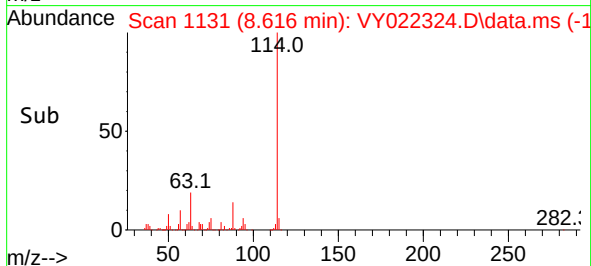
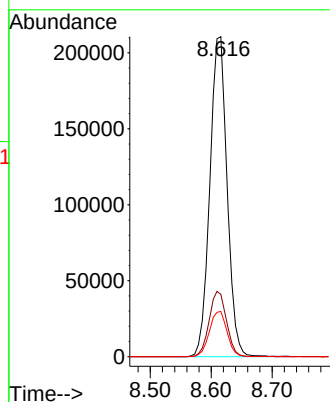
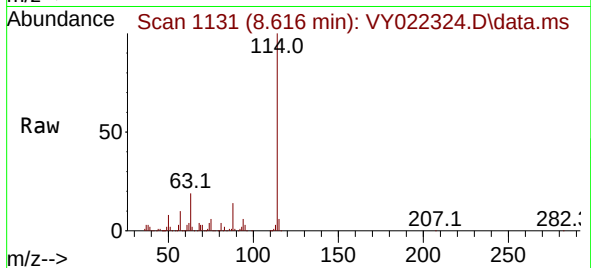




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

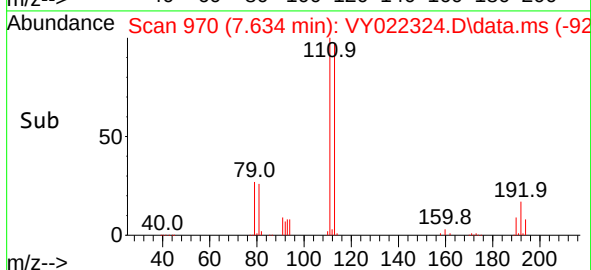
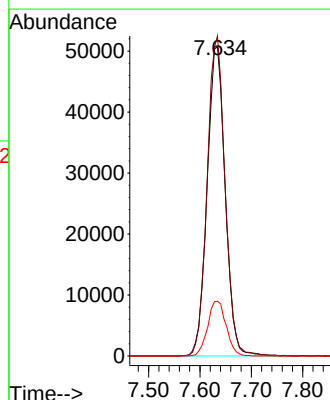
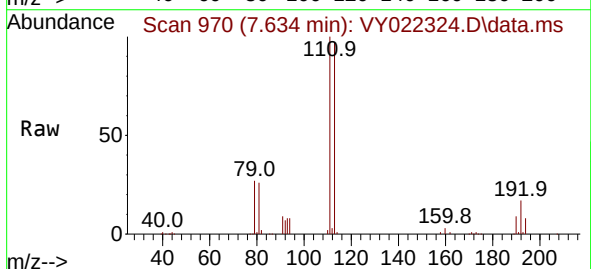
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

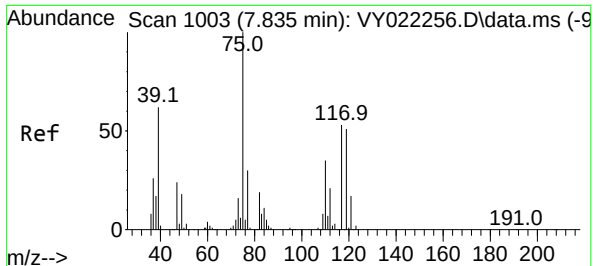
Tgt Ion:114 Resp: 414418
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.0
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.996 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion:113 Resp: 123664
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022324.D

Acq: 19 May 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

L2-WC-5-VOC

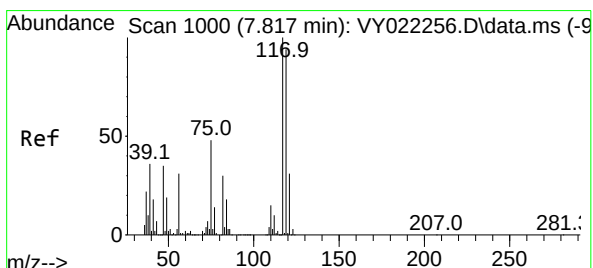
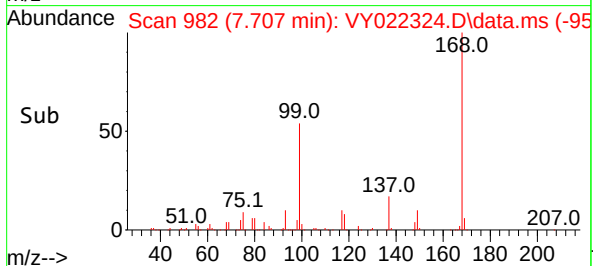
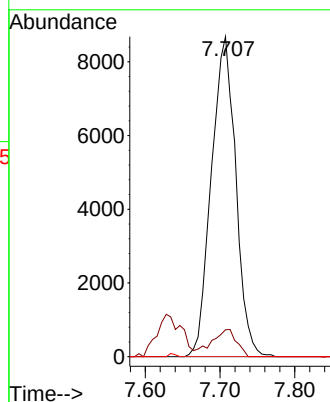
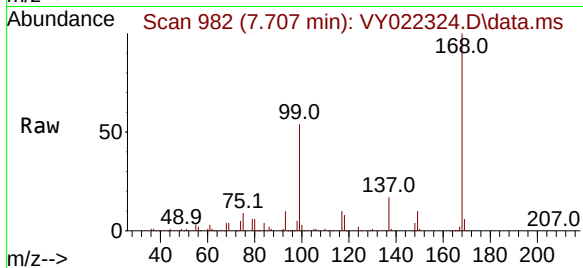
Tgt Ion: 75 Resp: 19688

Ion Ratio Lower Upper

75 100

110 8.3 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022324.D

Acq: 19 May 2025 17:20

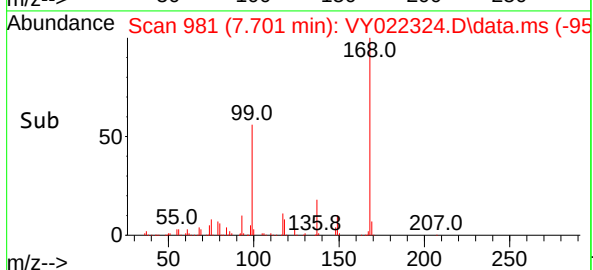
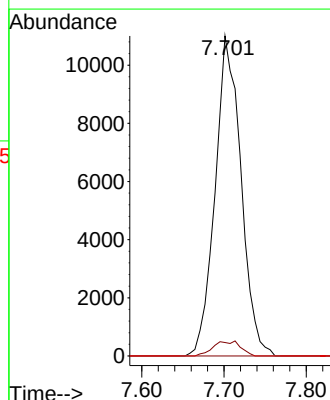
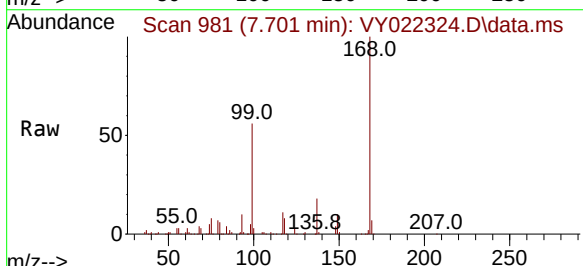
Tgt Ion: 117 Resp: 24052

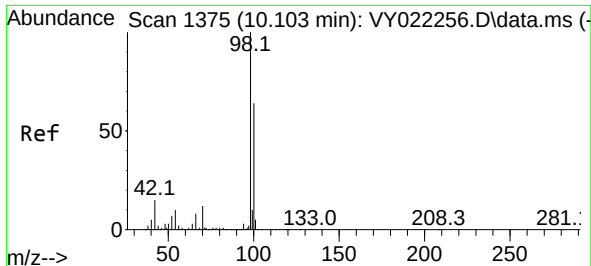
Ion Ratio Lower Upper

117 100

119 4.2 75.3 112.9#

121 0.0 24.7 37.1#

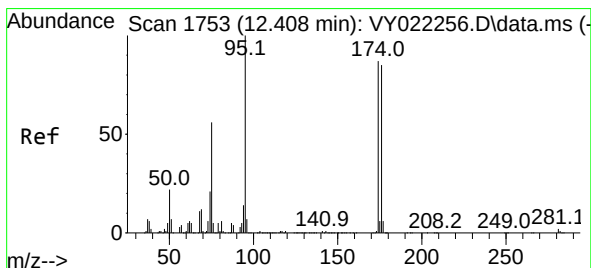
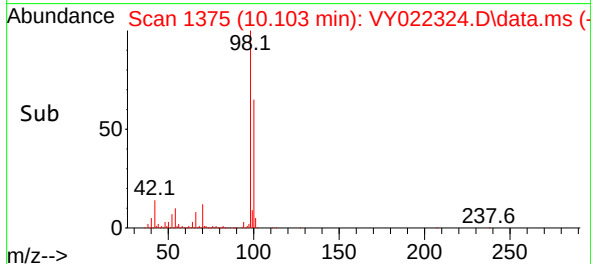
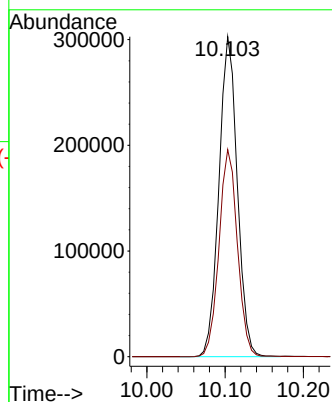
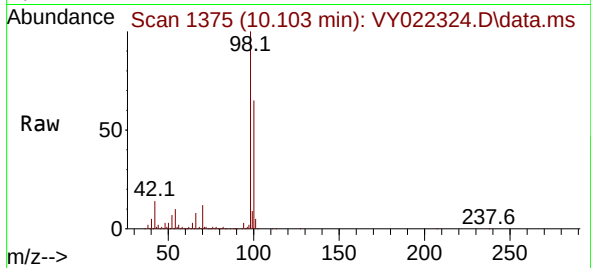




#50
Toluene-d8
Concen: 48.823 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

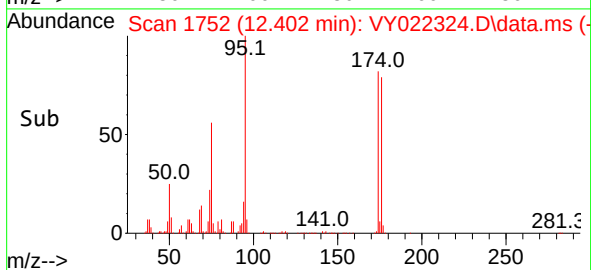
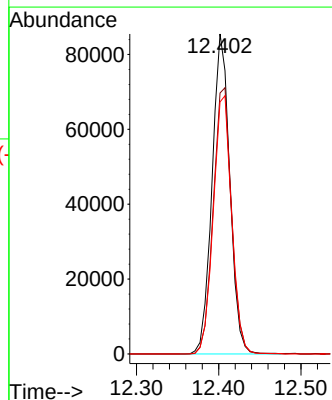
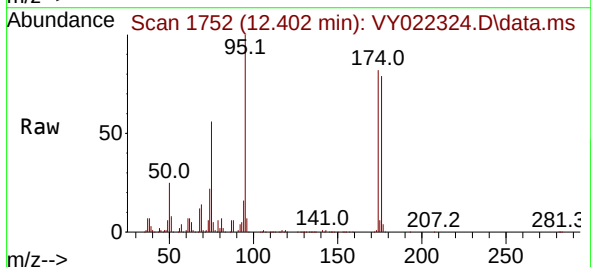
Instrument :
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L2-WC-5-VOC

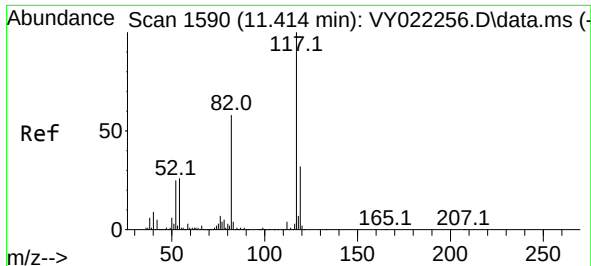
Tgt Ion: 98 Resp: 494590
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.007 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 95 Resp: 128462
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.6 0.0 160.8

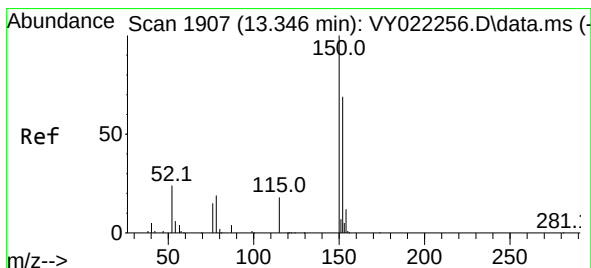
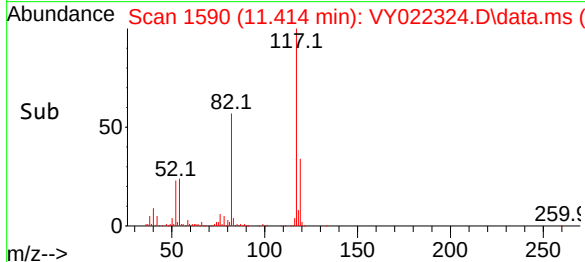
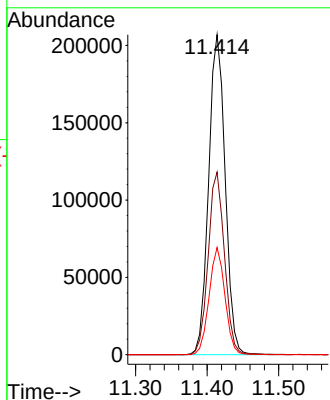
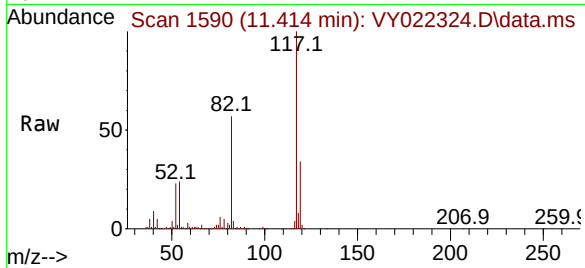




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

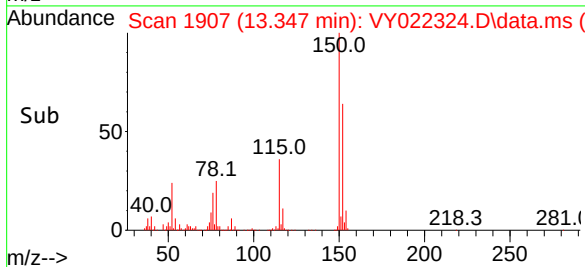
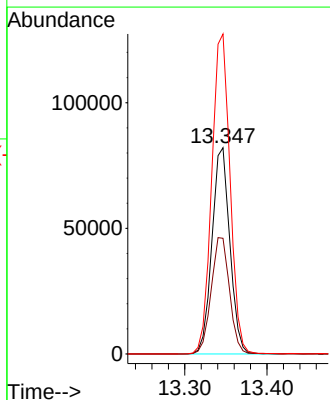
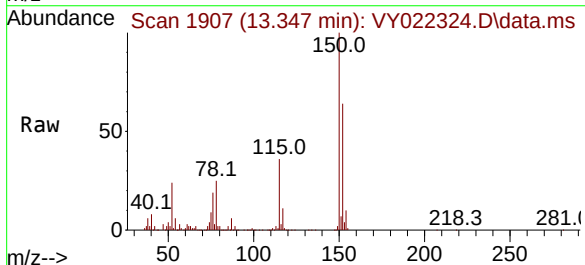
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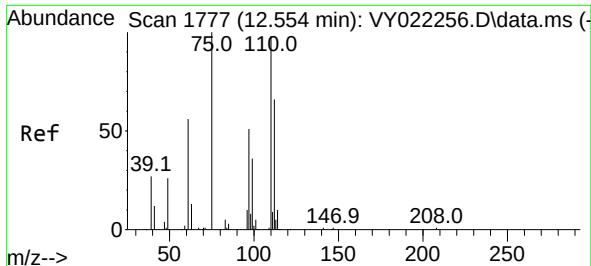
Tgt Ion:117 Resp: 332615
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 33.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion:152 Resp: 124097
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 158.5 0.0 353.8

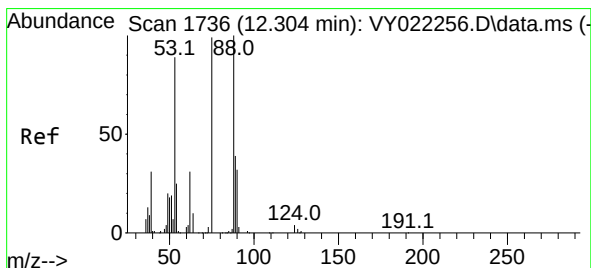
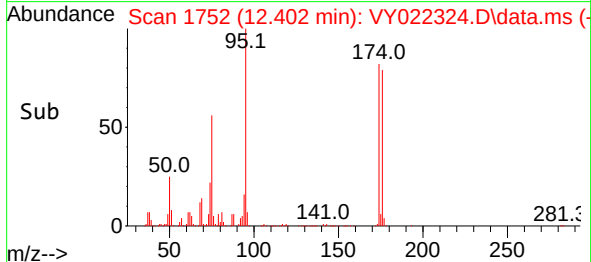
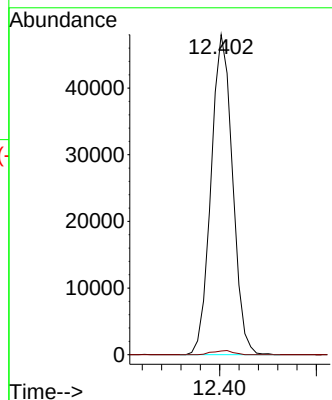
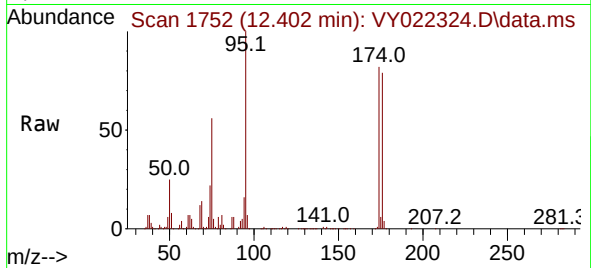




#76
1,2,3-Trichloropropane
Concen: 59.021 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-5-VOC

Tgt Ion: 75 Resp: 74203
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.561 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022324.D
Acq: 19 May 2025 17:20

Tgt Ion: 75 Resp: 74203
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

